

**App/ No. 09/814044****PATENT**  
**IBM Docket No. RAL920000083US1****Amendments to the Specification:**RECEIVED  
COMMUNICATIONS CENTER

Amend page 1, paragraph beginning at line 18, as follows:

JAN 25 2005

The invention contemplates a low power DSL modem transmitter, suitable for incorporation in integrated DSLAM server line cards, in which full power physical frames ~~including a control channel signal component and a data signal component are interspersed with physical frames having only a control channel signal component or a~~ include a control channel signal component and a data signal component and low power physical frames include a control channel signal component and a low power synchronization signal component.

Amend page 5, paragraph beginning at line 9, as follows:

This is accomplished with the following additional components. A control channel generating circuit 20, in response to signals from block 11 (indicating that there is no data for transmission to the client), initiates the generation of a second physical frame which includes as a minimum a control channel which is identical in format to the control channel generated in block 11 ~~when 11~~ when it has data to send to the client. In addition to the control channel it may, in most circumstance, be desirable to include a low power synchronization signal in the physical frame initiated in control channel 20. The second physical frame initiated in control channel 20 is applied to a block ~~[[13']]~~ 13' which is structurally identical to block 13. The outputs of blocks 14 and ~~[[14']]~~ 14' are selected for transmission by a frame selector 21 which is controlled by a control signal provided by control channel 20 over a conductor 22. The remainder of the transmitter is identical to the transmitter illustrated in Figure 1.